KORSAK, V. V.

"Sur l'obtention des alcools tertiaires superieurs". Korsak, V. V. (p. 1470)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #16

KORSAK, V. V.

"Sur l'action de l'ethylene-chlorhydrine ocyle sur le benzene en presence du chlorure d'aluminum." by Makarov-Zemljanskij, J. J., Korsak, V. V., and Savenkov, S. V. (p.331)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1941, vol 11, no 1.

KORSAK, V.V. [Korshak, V.V.]

Realizations in the field of the synthesis of macromolecular compounds.
Analele chimie 15 no.4:3-73 O-D '60. (KRAI 10:3)
(Macromolecular compounds)

KORSAK, V.V., MOZGOVA, K.K., SHKOLINA, M.A.

Surface grafting of vinyl monomers.

Report submitted for the International Symposium of Macromolecular chemistry Paris, 1-6 July 63

KORSAK, V.V., VINOGRADOVA, S.V., SOSIN, S.L., SLADKOV, A.M.

Synthesis and electrophysical properties of the polymers with the conjugated system of bonds and the polycoordination polymers.

Report submitted for the International Symposium of Macromolecular chemistry Paris -1-6 July 63

KORSAK, V.V. [Korshak, V.V.] (Moskva); VINOGRADOVA, S.V. (Moskva); VALECKIJ, P.M. [Valetskiy, P.M.] (Moskva); MIRONOV, Ju.V. [Mironov, Yu.V.] (Moskva)

Copolyarylates of aromatic dicarboxylic acids, dihydroxy diphenyl propane and trimethylol ethane. Chem prum 13 no.9:489-492 S '63.

KORSAK, V.V. [Korshak, V.V.] (Moskva); VINOGRADOVA, S.V.(Moskva); VALECKIJ, P.M.[Valetskiy, P.M.] (Moskva); JERSOVA, V.A. [Yershova, V.A.] (Moskva); PANKRATOV, V.M. (Moskva)

Copolyarylates of isophthalic acid with dihydroxy-diphenyl-propane and polyfunctional aliphatic alcohols. Chem prum 13 no.5:Supplement:Makromolekularni latky 13 no.5:265-270 '63.

BUKHGOL'TS, V.P., kand. tekhn. nauk; DRANNIKOV, Yu.A., inzh.; KORSAK, V.Yu.

Use of remote control in the "Zapoliarnyi" mine. Gor. zhur. no.10:65-68 O '65. (MIRA 18:11)

1. Institut gornogo dela im. A.A. Skochinskogo (for Bukhgol'ts, Drannikov). 2. Glavnyy energetik rudnika "Zapolyarnyy" Noril'skogo gornometallurgicheskogo kombinata im. A.P. Zavenyagina (for Korsak).

KORSAK, WLODZIMIERZ

"Ku indyjskiej rublizy. Warszawa, Nasza Ksiegarnia, 1957. 176 p.
(Szlakiem badaczy i podroznikow) (Toward India's borderland. illus.)

MiDW Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

KORSAK, YE. K.

7894. KORSAK, YE. K. I. Sorokina, N. V. Uchebnoye posobiye dlya krukhkov Gso. sost: ye. K. Korsak I N. V. sorokina. Pod Red. N. I. Krakovskogo. Vil'nyus, "Sov. Litva", 1954. 160 S. S. Ill. 21 sm. (tsentr. kom. o-va krasnogo kresta lssr). 5000 EKZ. Bespl.- na pereplete post. neukazany.—na perepletezagl: Gotov K sanitarnoy oborone sssr.— NA litov. yaz.--(54-52758)

614

SO: Knizhnaya Letopis', Vol. 7, 1955

2

TOPICHEV, A.V. (deceased) KORSAK, YU.V., POPOV, YU.A., ROSENSHTEYN, L.D.

Synthesis and investigation of photoelectric properties of polyazines and poly-schiff bases.

Report submitted for the International Symposium of Macromolecular chemistry Paris, 1-6 July 63

AKUTIN, G.K. [Akutin, H.K.]; GAYEVENKO, Yu.O. [Haievenko, IU.O.]; DYACHENKO, M.Ya.; ZHAROV, M.T.; IVANOV, S.K.; KARNYUSHIN, L.B.; KLODNITSKIY, I.I. [Klodnyts'kyi, I.I.]; KOBUS, Yu.Y. [Kobus, IU.I.]; KOKLYU, V.Y. [Kokliuk, V.I.]; KORYTNIKOV, V.P.; KOROBKO, M.I.; KOSTOGRIZOV, V.S. [Kostohryzov, V.S.]; LADIYEV, R.Ya. [Ladiiev, R.IA.]; MARTYNIUK, G.F. [Martyniuk, H.F.]; MEL'NIK, P.M.; kand.tekhn.nauk; NAVOL'NEV, S.Ya. [Navol'niev, S.IA.]; SIN'KOV, V.N.; SPINU, G.O. [Spynu, H.O.]; SHOYKHET, L.A.; SHUMILOV, K.A.; KORSAK, Yu.Ye. [Korsak, IU.IE.], red.; LAGUTIN, I.A. [Lahutin, I.A.], tekhn.red.

[Automation in industry] Avtomatizatsiia v promyslovosti. Kyiv, Dersh.vyd-vo tekhn.lit-ry URSR, 1960. 288 p. (MIRA 14:12)

(Automation) (Industrial management)

GERASIMOV, Sergey Mikhaylovich; MIGULIN, Igor' Nikolayevich; YAKOVLEV, Vasiliy Nikolayevich; KORSAK, Yu.Ye., red.; MATUSEVICH, S.M., tekhn. red.

[Design of transistor amplifiers and oscillators] Raschet poluprovodnikovykh usilitelei i generatorov. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1961. 430 p. (MIRA 1[illegible])
(Transistor amplifiers) (Oscillators, Electric)

ALEKSEYEV, Konstantin Alekseyevich; OMEL'YANENKO, Yuriy Ivanovich; KORSAK, Yu.Ya., red.; OGORKAVENKO, L., tekhn.red.

[Equipment of television centers] Oborudovanie televizionnykh tsentrov. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1960. 213 p. (MIRA 14:3)

(Television stations)

GURLEV, Dmitriy Stepanovich; KORSAK, Yu.Ye., red.; GUSAROV, K.F., tekhn. red.

[Manual on electronic devices] Spravochnik po elektronnym priboram. Kiev, Gos.izd-vo tekhn. lit-ry USSR, 1962. 492 p.
(MIRA 15:6)
(Electron tubes—Handbooks, manuals, etc.)
(Transistors—Handbooks, manuals, etc.)

GURLEV, Dmitriy Stepanovich; KORSAK, Yu.Ye., red.; GUSAROV, K.F., tekhn. red.

[Manual on electronic devices] Spravochnik po elektronnym priboram. Kiev, Gostekhizdat USSR, 1962. 492 p. (MIRA 15:7)
(Electron tubes—Handbooks, manuals, etc.)
(Transistors—Handbooks, manuals, etc.)

GUREVICH, Mark Samoylovich; FEDOROV, Petr Dmitriyevich; KORSAK, Yu.Ye., red.; MATUSEVICH, S.M., tekhn. red.

[Heat and electric-power supply plants in sugar factories]Teplosilovoe khoziaistvo sakharnykh zavodov. Kiev, Gostekhizdat USSR, 1962. 379 p. (MIRA 15:12)
(Sugar industry—Equipment and supplies)
(Power plants)

KORSAK, Z.; WOJCIECHOWSKI, J.

Field Day competitions; QTH: Trzy Korony. p.28

RADIOAMATOR. Warszawa, Poland. Vol. 5, no. 10, Oct. 1955

Monthly List of East European accession (EEAI), LC. Vol. 8, No. 9, September, 1959. Uncl.

KORSAK, Z.; WOJCIECHOWSKI, J.

We build equipment for the remote steering of flying models. (To be contd.) p.10. (SKRZYDLATA POLSKA, Warszawa, Vol. 11, No. 11, Mar. 1955)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

KORSAK, Z.

13(2) PHASE I BOOK EXPLOITATION POL/3372

Wojciechowski, Janusz, Engineer, and Zenon Korsak

Zdalne sterowanie modeli latających, pływających, kołowych(Remote Control of Model Aircraft, Ships, and Wheeled Vehicles) Warsaw, Wyd-wa komunikacyjne, 1958. 279 p. 5,140 copies printed.

Reviewers: Jerzy Świdziński, Master of Engineering, and Adam Kosiarski; Ed.: Michał Goszczyński; Tech. Ed.: Leokadia Zwolakowska.

PURPOSE: This book is intended for instructors in radio engineering and in the construction and operation of models, as well as for model designers and advanced radio amateurs. It also may be useful to supervisors of physics workshops in schools and youth centers.

COVERAGE: The book contains a description of basic systems used in the remote control of various models for recreational purposes. The authors attempt to provide sufficient information for the reader to design, build and operate remote control systems for models. They outline the principles of operation of these systems and illustrate them with diagrams and drawings. Chapters II-B,

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KORSAK, Z.

"Radio station 'Teleport IV' on a glider."

p. 19 (Slrzudlata Polska) Vol. 14, no. 2, Jan. 1958
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

POL/7-59-28-20/26

AUTHOR: Korsak, Zenon

TITLE: Meeting of the Soviet Radio-Controlled Model Aircraft Builders

PERIODICAL: Skrzydlata Polska, 1959, Nr 28, p 14 (POL)

ABSTRACT: A meeting of the Soviet radio-controlled model aircraft builders was recently held in Moscow. The article lists the following Soviet leading radio-controlled model aircraft builders: I. Khukhra, V. Zarechnev, , S. Malik, A. Erler, M. Vasylchenko and Shcherbakov. There are 8 photos.

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MATULIS, J., red.; ZIUGZDA, J., red.; JUCYS, A., red.; LASAS, V., red.; KORSAKAS, K., red.; PETRAUSKAS, V., red.; ISKAUSKAS, J., red.; FRIDAITE, I., red.; SARKA, S., tekhn. red.

[Science in Soviet Lithuania] Mokslas Tarybu Lietuvoje. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1961. 334 p. (MIRA 15:3)

1. Lietuvos TSR Mokslu akademija, Vilna.
(Lithuania--Science)

KARCHEMSKIY, Moisey Yur'yevich, kand.tekhn.nauk; KORSAKEVICH, A., red.; DANILKINA, N., red.; IOAKIMIS, A., tekhn.red.

[Reinforced concrete slabs prestressed in two directions] Zhelezobetonnye plity, predvaritel'no napriazhennye v dvukh napravleniiakh. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1958. 120 p. (Concrete slabs) (MIRA 12:3)

GOTMAN, Samuil Izrailevich; KORSAKEVICH, A., red.; GAYEVOY, I., tekhn.red.

[Manual for the determination of expenditures of labor and materials on specialized construction operations; inside plumbing, sewer, heating, and ventilation systems; insulation; outside water, sewer, heat, and gas systems] Spravochnik dlia opredeleniia zatrat truda i materialov na spetsial'nye stroitel'nye raboty; vnutrennie sanitarno-tekhnicheskie ustroistva; izoliatsionnye raboty; naruzhnye seti vodoprovoda, kanalizatsii, teplo- i gazosnabzheniia. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1958. 549 p. (MIRA 11:12)
(Building--Estimates)

SKATYNSKIY, Viktor Iosifovich; RUDNITSKAYA, Ye., red.; KORSAKEVICH, A., red.; ZELENKOVA, Ye., tekhn.red.

[Handbook for the builder] Karmannyi spravochnik stroitelia. Izd.3. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1959. 512 p. (MIRA 12:11)

(Building)

DADENKOV, Yuriy Nikolayevich, doktor, tekhn. nauk, prof.; ZUBRIY, Petr Yefremovich, kand. tekhn. nauk, dots.; ALEKSANDROVSKIY, A., red.; KORSAKEVICH, A., red.; FRIDMAN, S., tekhn. red.

[Hydraulic calculations of open channels] Gidravlicheskie raschety otkrytykh rusel. Kiev, Gos. izd-vo lit-ry po stroit. i arkhit. USSR, 1961. 200 p. (MIRA 14:5)
(Hydraulics)

KORSAKEVICH, N. I.

USSR/Metals - Testing Equipment Jul 50

"Electric Circuits for Measuring Stresses With Wire Strain Gauges," N. I. Korsakevich, Lab of Mech Bldg and Problems of Agr Mech, Acad Sci Ukrainian SSR

"Zavod Lab" Vol XVI, No 7, pp 843-846

Reviews method for determining static stressed state of machine parts with aid of wire strain gauges. Discusses some problems related to designing and operating electric system of measuring installation: sensitivity of entire

166T59

USSR/Metals - Testing Equipment (Contd) Jul 50

system, thermoelectrical currents, variations in resistance of strain gauges and their effect on accuracy of measurements. Suggests simplification of wiring diagram.

166T59

KORSAKEVICH, N.I.

Determining the direction of main stresses by piezoelectric transducers. Nauch. trudy Inst. mash. i sel'khoz. mekh. AN URSR 3:157-166 '51. (MLRA 10:8)
(Strains and stresses)
(Piezoelectric substances)

1. GARF, M. Ye: KORSAKEVICH, N.I.

2. USSR (600)

4. Bearings (Machinery)

7. Measuring of reactions on the bearing surfaces of rotating shafts. Vest. mash. 32. no. 10. 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

SOV/124-58-3-3483

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 127 (USSR)

AUTHORS: Serensen, S. V., Garf, M. E., Gluvchinskiy, Ye. V., Korsakevich, N. I.

TITLE: Measurement of the Dynamic Forces Arising in Component Elements of a Self-propelled Harvesting Combine (Izmereniye dinamicheskikh usiliy v detalyakh mosta samokhodnogo kombayna)

PERIODICAL: V kn.: Sb. trudov po zemledel'cheskoy mekhanike. Moscow, Sel'khozgiz, 1954, Vol 2, pp 271-289

ABSTRACT: Description of equipment for the measurement of torque moments acting on the shafts of a combine. The measurements were accomplished at four points by induction-type parametric strain gages.

N. P. Rayevskiy

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KORSAKEVICH, Nikolay Ivanovich

GARF, Mikhail Ernestovich; KORSAKEVICH, Nikolay Ivanovich; KRAMARENKO, Oksana Yur'yevna; SERENSEN, Sergey Vladimirovich; SLUTSKAYA, Ol'ga Borisovna; KHARITONSKIY, M.B., redaktor; KHYLOVSKAYA, N.S. tekhnicheskiy redaktor.

[Strength of tractor engine crankshafts; manual for calculations and tests] Prochnost' kolenchatykh valov traktornykh dvigatelei; rukovodstvo po raschetu i ispytaniiu. Kiev, Izd-vo Akademii nauk USSR, 1955. 199 p. (MLRA 9:1)
(Cranks and crakshafts) (Tractors)

SOV/124-57-3-3798

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 165 (USSR)

AUTHOR: Korsakevich, N. I.

TITLE: The Adaptation of Electronic Strain-measuring Devices of the Type ID-2 in the Investigation of the Dynamic State of Stress of Machine Parts (Prisposobleniye elektronnykh izmeriteley deformatsii tipa ID-2 dlya issledovaniya dinamicheskoy napryazhennosti detaley mashin)

PERIODICAL: Nauch. tr. In-ta mashinoved. i s.-kh. mekhan. AN UkrSSR, 1955, Vol 5, pp 40-50

ABSTRACT: The ID-2 apparatus in conjunction with wire-resistance strain gages is used widely in the measurement of static deformations. A number of measures are proposed to effect the adaptation of this device to the measurement of dynamic deformations. A Π-type filter network, passing without distortion frequencies ranging from 85 to 100 cps, is connected to the output of the demodulator stage of the device which operates at a carrier frequency of 850 cps. The filter network consists of two capacitors of 50 mf each and a choke with an inductance of approximately 0.0035 henry. An additional circuit is also

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introduced which makes it possible to balance the reactance component of the arms of the bridge (phase corrector). Methods of preventing parasitic currents from being induced in the loop of the oscillograph are examined. These parasitic currents may occur as a result of the following conditions: 1) Nonidentical voltage-current characteristics of the selenium rectifiers of the ring-type demodulator; 2) unbalance of the reactance components of the arms of the bridge, and 3) the presence of harmonics of higher order in the carrier frequency supplied to the bridge. It is recommended that the rectifiers (selenium discs 18 mm in diameter) be carefully selected for identical voltage-current characteristics and that the demodulator be then balanced with the aid of a slide-wire potentiometer. This latter step should be performed with the control voltage source disconnected from the demodulator. The inner arms of the bridge must be double-wound. It is imperative that all ferrous screws be replaced with brass screws. The calibrating curve, presented together with the frequency characteristic of the modified device, shows that the mechanical process being investigated is transmitted without distortion up to a frequency of 70 cps and that the calibration curve is virtually linear at loads up to 500 kg/cm^2. When employed in conjunction with a type-5 vibrator of an MPO-2 oscillograph and wire-resistance strain gages of 100 ohms, the sensitivity of the device constitutes approximately 15 kg/cm^2 per mm of recording. The

The Adaptation of Electronic Strain-measuring Devices of the Type ID-2 (cont.)

modification described may be accomplished without disturbing the original construction of the apparatus. The current for the ID-2 apparatus is supplied from two storage batteries; variations in battery voltage produce errors amounting to 1.2-1.5% for every percent of voltage variation. It is, therefore, essential that the device be operated within the horizontal portion of the battery discharge curve. A voltmeter provides a constant check on the voltage of the batteries. It is also recommended that the device be powered from an external source of alternating current of undistorted waveform. In investigating dynamic processes the galvanometer of the ID-2 device should be disconnected.

A. M. Turichin

Card 3/3

124-57-2-2569

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 148 (USSR)

AUTHORS: Korsakevich, N. I., Ofengenden, R. G., Kalina, P. N.

TITLE: Measuring Equipment for the Static Recording of the Stressed State of Articles (Izmeritel'nyye ustroystva dlya staticheskoy registratsii napryazhennosti detaley)

PERIODICAL: Nauch. tr. In-ta mashinoved. i s.-kh. mekhan. AN UkrSSR. 1955, Vol 5, pp 51-61

ABSTRACT: The analysis of the results of an experimental determination of the stressed state of any machine part over a sufficient prolonged period of time concludes in the sorting out of a large number of measured quantities according to their magnitudes and in the determination of the statistical distribution of the quantities that characterize the operating conditions of the part. The paper describes the operating principle of an electronic device for the automatic determination of the extremal values of the measured quantities. The input consists of an electric voltage which characterizes the measured parameter. The device automatically segregates the input voltages into six sub-ranges, which are equipped to transmit a signal to the

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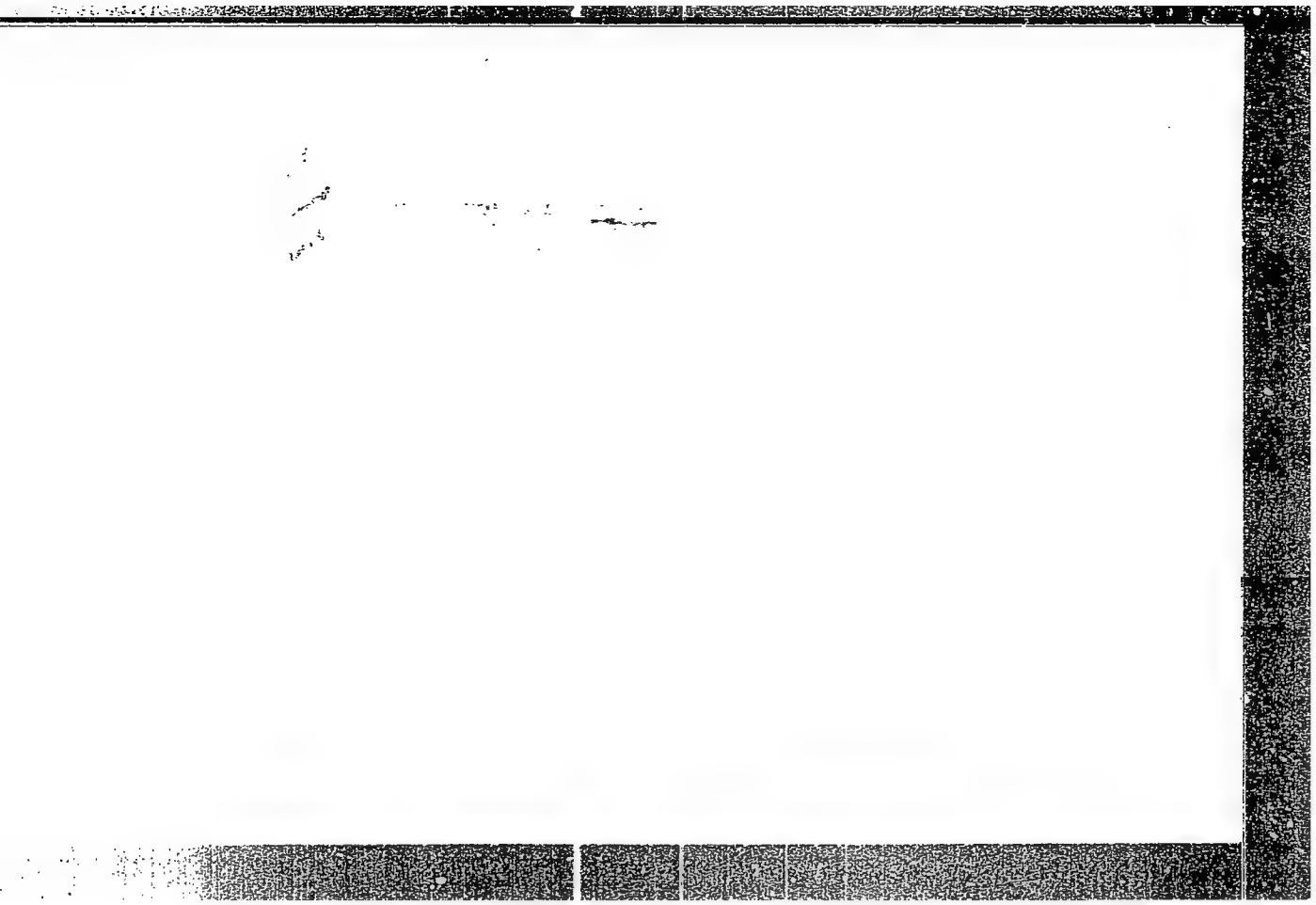
124-57-2-2569

Measuring Equipment for the Static Recording of the Stressed State (cont.)

computing link, if an extremal value of the quantity will occur in the given sub-range. The computers of each sub-range count the number of values and upon completion of a test immediately provide an account of the number of the extremal values contained in the given sub-range. An example is adduced, showing the analysis of a generic curve and the determination of the maximal and minimal values thereof. The equipment described includes electromechanical computers capable of utilizing impulses lasting longer than 1/25 sec. It is possible, however, that computers be used which are capable of utilizing impulses lasting 1/200 sec and even less. A brief description is given of equipment having an analogous purpose, developed at the Institut stroitel'noy mekhaniki AN UkrSSR (Institute of Structural Mechanics, Academy of Sciences, Ukrainian SSR).

1. Recording devices--Performance 2. Stress analysis N. P. Rayevskiy

Card 2/2



APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920016-9"

KORSAKEVICH, M.I. [Korsakevych, M.I.]

Investigating the load capacity of reducing gear bearings of the guidling axle of the S-4 combine. Nauk. pratsi Inst. lyv. vyrob. AN URSR 7:131-143 '59. (MIRA 14:1)
(Combines (Agricultural machinery))

KORSAKEVICH, N.I.

PHASE I BOOK EXPLOITATION SOV/5940

Serensen, Sergey Vladimirovich, Academician, Academy of Sciences UkrSSR, Yevgeniy Georgiyevich Buglov, Mikhail Ernestovich Garf, Leonid Aleksandrovich Kozlov, Nikolay Ivanovich Korsakevich, Oksana Yur'yevna Kramarenko, and Ol'ga Borisovna Slutskaya

Prochnost' pri nestatsionarnykh rezhimakh nagruzki (Strength Under Nonstationary Loading Conditions) Kiyev, Izd-vo AN UkrSSR, 1961. 294 p. 2000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Otdeleniye tekhnicheskikh nauk.

Ed. of Publishing House: O. M. Pechkovskaya; Tech. Ed.: V. Ye. Sklyarova.

PURPOSE: This book is intended for engineers of design bureaus, industrial laboratories, and testing stations, and for

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Strength Under Nonstationary (Cont.) SOV/5940

members of scientific research institutes.

COVERAGE: The book deals with problems connected with the study of the stress state and the strength of machine and construction parts under nonstationary loads. Discussed are statistical methods of systematizing random alternating stress states, characteristics of experimental devices used for registering such stresses, and the recording of the results of fatigue tests. Attention is given to the analysis of stresses induced by short-duration forces in elastic machine systems. The book is the result of work carried out by the Institut mashinovedeniya (Institute of Machine Science) AN UkrSSR [now the Institut liteynogo proizvodstva] and of the processing of published data. V. A. Grobov, Doctor of Technical Sciences, is mentioned as having assisted in the editing of this book. Each chapter is accompanied by references, mostly Soviet.

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45251

S/766/61/000/000/002/003

9,7930

AUTHORS: Buglov, Ye.G., Korsakevich, N.I.

TITLE: Equipment for the statistical processing of oscillograms.

SOURCE: Statisticheskiye voprosy prochnosti v mashinostroyenii. Ed. by S.V.Serensen. Moscow, Mashgiz, 1961, 30-39.

TEXT: The paper describes the design and performance of an equipment for the statistical processing of oscillograms, primarily those in which random variations in a quantity occur in the course of an otherwise stationary process, such as the stresses occurring in plows, traction couplings, harvester frames, etc. The new equipment is designed to process the 35-mm positive-film recordings made by the МПО-2 (MPO-2) oscillograph. Its basic principle is that of counting electric impulses obtained by means of a photoelectric element (cross-section and general-view photograph of equipment shown). The equipment comprises a light box, a film guide, a diaphragm with a single pin hole, and a photoelement. The diaphragm is placed and temporarily fastened at a specified distance from the zero line of the film recording. The film is then advanced in its guide underneath the diaphragm. Each time the black recording curve passes underneath the pinhole, the light passing through the pinhole suffers an interruption or weakening, and the resulting voltage pulse at the output of the photoelement is communicated to a counter. Repetition

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of the procedure at various distancesof the pinhole from the zero line provides a set of source data for the determination of the statistical distribution curves. Maximal loads, which may or may not have occurred during a given experiment of finite duration, are obtained from an extrapolational completion of the actually observed distribution curves. The cyclic properties of the operational stresses, required for fatigue calculations, can be obtained from the same data by determining the number of extremal values contained between two neighboring levels from the difference in the respective counts at the two levels. Thus the basic extremal-recurrence data for fatigue calculations are obtained either from these differences or from the derivatives of the frequency-distribution curve. The mean-square deviation and the variance, in processes approximating a normal distribution, are obtained from the actually observed frequency distribution normalized by reduction of the frequencies to a percentage of the total number of observations made. The circuitry of the ПС-64 (PS-64) counting device for the registration of the photo-element-output impulses is described and depicted, including provisions for an enhancement of the sensitivity and resolution of the device with simultaneous protection against spurious signals. Possible sources of errors are: (a) Excess count attributable to scratches, dirt, and dark spots on the film; (b) failure to record one of two closely spaced pulses, attributable to the inertia of the electronic device; (c) missed recordings attributable to low impulse voltage due to excessively slow

Equipment for the statistical processing of oscillograms..S/756/61/000/000/002/00?

mo... the film through the guide; (d) indeterminacy due to a near-horizontal ch... ...er of portions of the recording. The effects of these sources have been ... pe... ...entally measured and are reported. It is submitted that the resolving abil... of ... equipment is favored most effectively by stretching the time scale of the fi... recording. The following requirements should be fulfilled by oscillograms: (1 ...e recording should comprise a band not less than 7-8 mm wide; (2) the re...ording line should be photographically dense with a minimal thickness (even ... s...ificantly smaller than the diameter of the pinhole); (3) the film should be ...atch-free and, preferably, fog-free; (4) various recordings on an oscillo-...m should not overlap. The objectivity of the device is self-evident; its pro-...tivity is illustrated by an example in which one man-day was sufficient to obta... ...l statistical information recorded on 40 m of film pictur...g the stresses in the fr...me of a ZIL-150 (ZIL-150)automobile during 12 km of travel (a task in which m...re than 350,000 individual counts had to be taken). There are 12 figures and ... Russian-language Soviet references.

ASSOCIATION: None given.

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ACC NR: AP7009128 SOURCE CODE: UR/0413/67/000/003/0117/0117

AUTHOR: Khotyaintsev, M. L.; Goshak, M. G.; Korsakevich, N. I.

ORG: None

TITLE: An installation for impact fatigue testing. Class 42, No. 191187 [announced by the Ukrainian "Order of the Red Banner of Labor" Scientific Research Institute for the Design and Technology of Superhard Synthetic Materials and Tools (Ukrainskiy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy konstruktorsko-tekhnologicheskiy institut materialov i instrumenta)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1967, 117

TOPIC TAGS: test facility, fatigue test, impact test, electric measuring instrument

ABSTRACT: This Author's Certificate introduces a fatigue testing installation which contains an electromagnet with an armature, a block on which this armature acts and a specimen holder. Test productivity is increased and impact duration is controlled by mounting the armature on an elastic suspension and connecting the electromagnet to a source of alternating current with a frequency equal to that of the mechanical system formed by the mass of the armature and the rigidity of the suspension. A flat spring connects the armature to the striking block.

UDC: 620.178.353

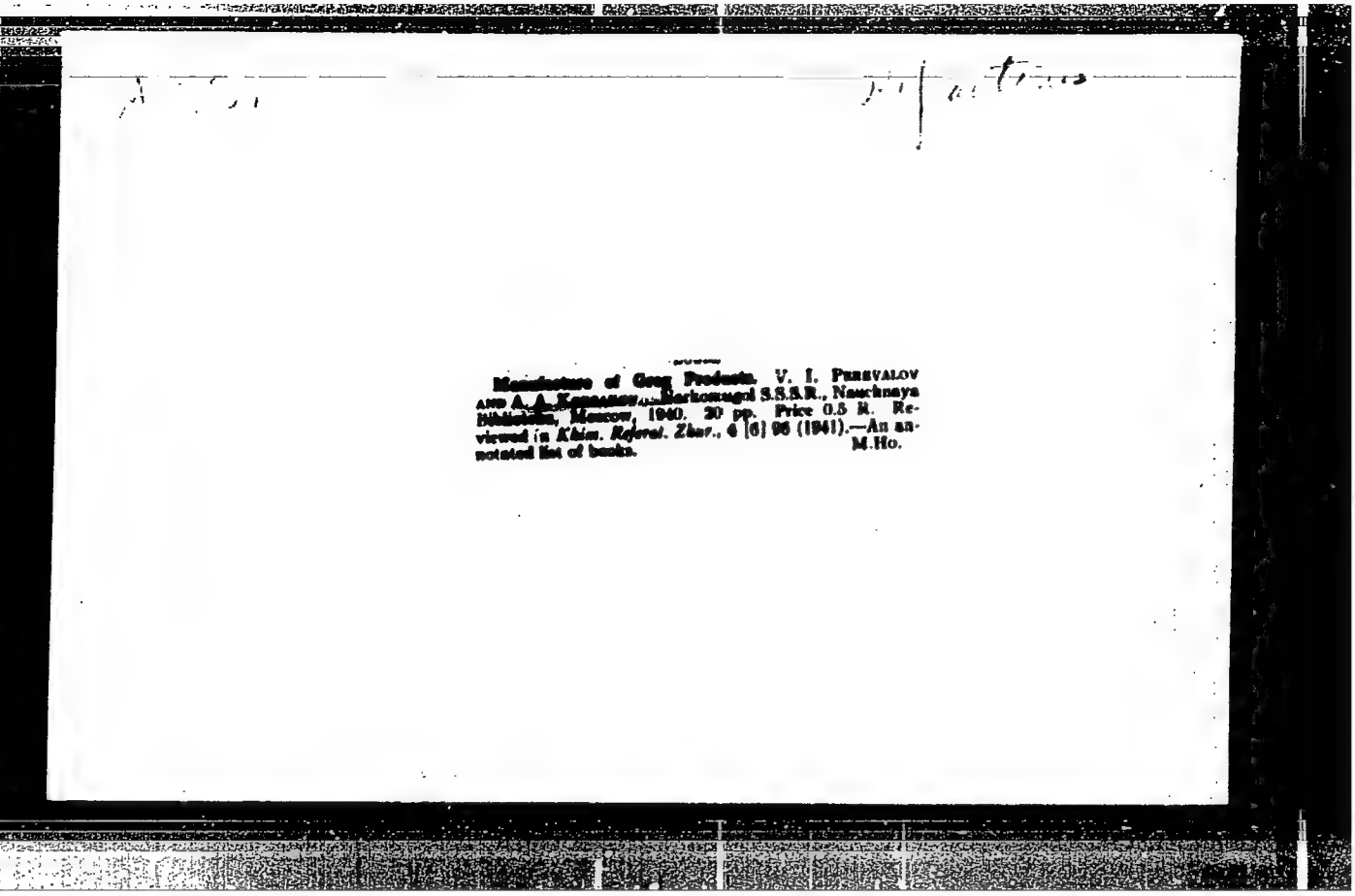
Card 1/2

POTAPENKO, Stepan Vasil'yevich; KORSAKEVICH, O., red.; IOAKIMIS,A., tekhn.red.

[Keramsit] Keramzyt. Kyiv, Derzh.vyd-vo lit-ry z budivnytstva i arkhit.URSR, 1959. 125 p. (MIRA 13:2)
(Aggregates (Building materials))

KORSAKOV, A.A., insh.

Universal DKU-M feed grinder. Trakt. i sel'khozmash. no. 6:37-38 Je '58. (MIRA 11:7)
(Feeding and feeding stuffs--Equipment and supplies)



Manufacture of Coal Products. V. I. PEREVALOV AND A. A. KRASAVTSEV. Sverdlovsk S.S.S.R., Nauchnaya Biblioteka, Moscow, 1940. 20 pp. Price 0.5 R. Reviewed in *Khim. Referat. Zhur.*, 4 [6] 96 (1941).—An annotated list of books. M.Ho.

KORSAKOV, A.A.

1514. Factories should be operated at full capacity. -- A. A. Korsakov (...) 22, ... 1957). In Russian. A general discussion ... excerpt in 1950 and in 1955 ...

2

KORSAKOV, A.A.

AUTHOR: Korsakov, A.A. 131-10-2/6

TITLE: The Great Way (Bol'shoy put')

PERIODICAL: Ogneupory, 1957, Nr 10, pp. 438-446 (USSR)

ABSTRACT: The quantitative increase of the production of refractories in the USSR is shown by table 1; at present the requirements of the country are being fully satisfied. The increase of production was attained by building new plants as well as by the reorganization of already existing ones. A special scientific organization was created for the designing and planning of such new plants. Together with the building of new plants the technical reorganization of existing ones aims at an increase of production figures. The raw material basis was considerably increased by the discovery of new occurrences. During the last war production in the Eastern parts of the country was considerably increased. The geographical distribution of this production may be seen from table 2. The production of ladle bricks is carried out almost entirely by the method of half-dry pressing. Much has been achieved in the field of the mechanization of forming: the most complicated products are made on presses. Tables 3, 4, 5 and 6 contain data which characterize the change of the equipment of factories. For the development of the production of

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refractories the research work carried out by the scientific research institutes of Khar'kov and Leningrad proved very useful. Much attention ought to be paid to the building of new factories or factories under reconstruction in the East, in Siberia, Kazakhstan, and the Ural, because these areas still depend on supplies from other parts of the country. A further increase of the working capacity of workmen is considered to be one of the most important tasks, and for this purpose a further modernization of equipment and mechanization of production is intended to serve. There are 6 tables.

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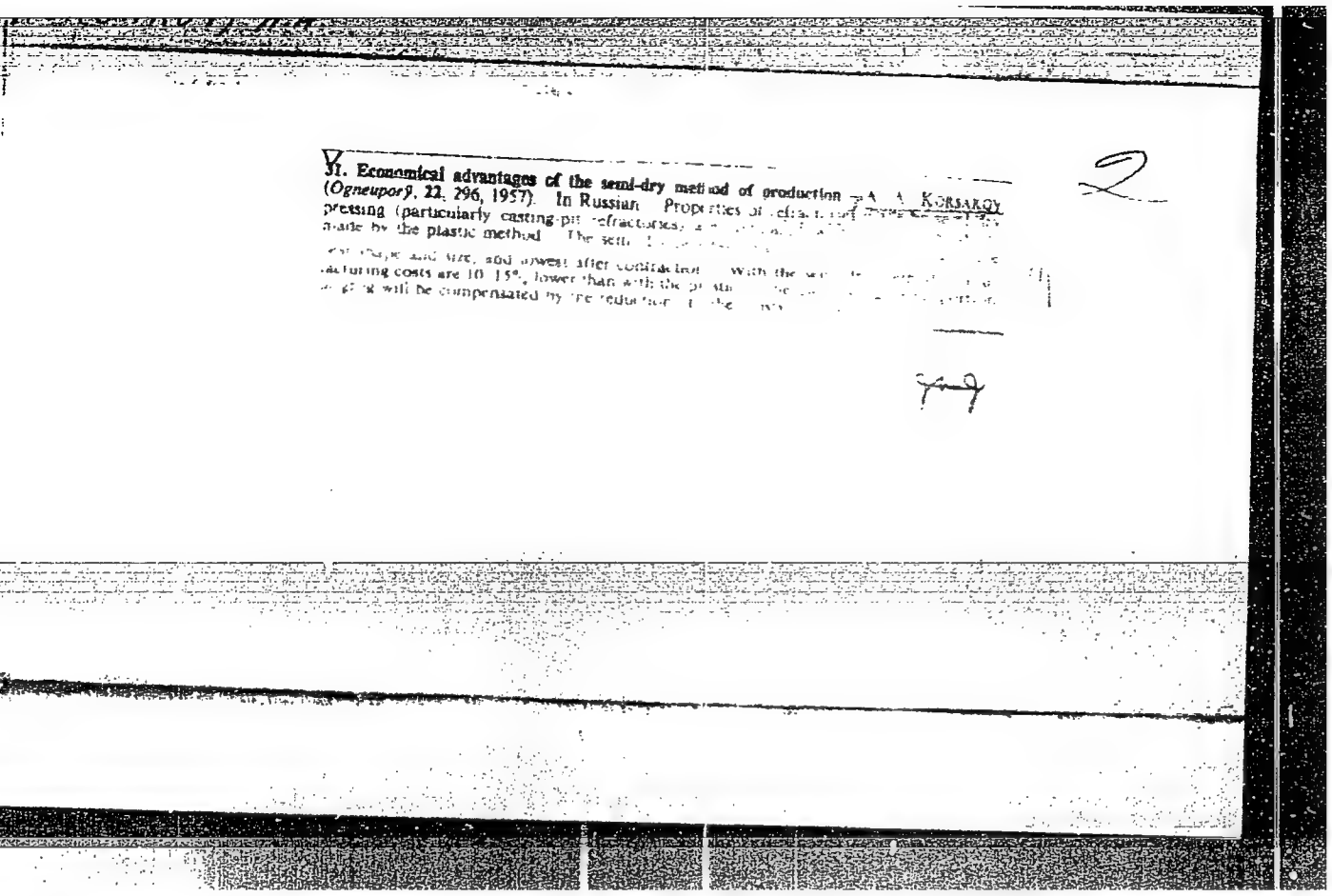

VI. Economical advantages of the semi-dry method of production — A. A. KORSAKOV (*Ogneupory*, 22, 296, 1957). In Russian. Properties of [illegible] pressing (particularly casting-pit refractories) [illegible] made by the plastic method. The semi-[illegible] and size, and lower after combustion. With the [illegible] facturing costs are 10–15%, lower than with the plastic [illegible] it will be compensated by the reduction [illegible]

2

KORSAKOV, A.A.

Fuller use of available productive capacities. Ogneupory 22 no.1:1-6 '57. (MLRA 10:3)

1. Glavogneupor.
(Refractory materials)

LIPSHITS, Mark Aleksandrovich; GLEBOV, Sergey Vladimirovich, prof., retsenzent; KORSAKOV, A.A., red.; VENETSKIY, S.I., red.izd-va; EVENSON, I.M., tekhn.red.

[Refractories in ferrous metallurgy; a handbook] Ogneupory v chernoi metallurgii; spravochnik. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 267 p. (Refractory materials)
(Metallurgical plants--Equipment and supplies)

RYABIN'KIY, Bronislav Yakovlevich; BERLYAND, S.S., inzh., retsenzent; GERASIMENKO, V.F., inzh., retsenzent; GRUDSKIY, Ye.B., inzh., retsenzent; DASHEVSKIY, Ya.I., inzh., retsenzent; DVORIN, S.S., inzh., retsenzent; KAMALOV, O.M., inzh., retsenzent; KARPMAN, M.A., inzh., retsenzent; KASHCHENKO, D.S., inzh., retsenzent; KOROLEV, M.N., inzh., retsenzent; KORSAKOV, A.A., inzh., retsenzent; LISENKO, T.P., inzh., retsenzent; PEKELIS, I.B., inzh., retsenzent; REVYAKIN, A.A., inzh., retsenzent; ROMANOVICH, N.D., inzh., retsenzent; PRIYMAK, I.A., prof., red.; AVRUTSKAYA, R.F., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Planning and economics of metallurgical plants] Planirovanie i ekonomika metallurgicheskikh zavodov. Izd.2., dop. i perer. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 736 p. (MIRA 13:2)

(Metallurgical plants)

RYABIN'KIY, Bronislav Yakovlevich; ADARYUKOV, G.I., inzh., retsenzent; BERLYAND, S.S., inzh., retsenzent; GERASIMENKO, V.A., inzh., retsenzent; GRUDSKIY, V.A., inzh., retsenzent; DASHEVSKIY, Ye.B., inzh., retsenzent; KARPMAN, Ya.I., inzh., retsenzent; KOROLEV, M.N., inzh., retsenzent; KORSAKOV, A.A., inzh., retsenzent; LISENKO, T.P., inzh., retsenzent; PEKILIS, I.B., inzh., retsenzent; REVYAKIN, A.A., inzh., retsenzent; ROMANOVICH, N.D., inzh., retsenzent; FILIPPOV, S.M., inzh., retsenzent; BRUSHTEYN, A.I., red.izd-va; DOBUZHINSKAYA, L.V., tekhn. red.

[Planning and the economics of metallurgical plants] Planirovanie i ekonomika metallurgicheskikh zavodov. Izd.3., perer. i dop. Moskva, Metallurgizdat, 1963. 754 p. (MIRA 16:4)
(Steel industry--Management)

USVYATSKIY, Ye.A.; ZASLAVSKIY, V.I.; KORSAKOV, A.P.

Using ultrasonic equipment in cutting optical parts. Opt.-mekh.prom. 25 no.5:1-5 My '58. (MIRA 11:9)

(Ultrasonic waves--Industrial applications)

ZAS:AVSLOU. Vo;' Izrail'yevich; KORSAKOV, Aleksandr Pavlovich; USvyatskiy, Yefim Abramovich; BRYANTSEVA, V.P., inzh., ved. red.; MARKOV, A.I., kand. tekhn. nauk, red.; PONOMAREV, V.A., tekhn. red.

[UZG-2 ultrasonic equipment for machining parts made of hard materials]Ul'trazvukovaia ustanovka UZG-2 dlia obrabotki detalei iz tverdykh materialov. Moskva, Filial Vses.in-ta nauchn. i tekhn.informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No.M-58-267/4) (MIRA 16:3)

(Ultrasonic metal cutting)

NEROVNOV, Vasiliy Yakovlevich, shofer; KORSAKOV, Aleksandr Timofeyevich, shofer; NIKOLENKO, V.F., red.; DONSKAYA, G.D., tekhn.red.

[Operation of motortrucks] Ekspluatatsiia gruzovogo avtomobilia. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1960. 69 p. (MIRA 13:5)

1. 5-ya avtobaza Glavmosavtotransa (for Nerovnov, Korsakov).
(Motortrucks)

KORSAKOV, Aleksey Yakovlevich; LARINA, L.M., redaktor; KIRSANOVA, N.A., tekhnicheskiy redaktor

[Production conferences at enterprises] Proizvodstvennye soveshchaniia na predpriiatii. [Moskva]Izd-vo VTsSPS Profizdat, 1956. 76 p. (MIRA 9:11)
(Works council)

KORSAKOV, Boris, inzh.

Starterless lighting of luminiscent lamps. Tekstilna prom 11 no.4:20-22 '62.

1. Gl. energetik pri Durzhavnoto industrialno predpriiatie "Tundzha", Yambol.

KORSAKOV, Boris, inz., gl.energetik

Some supplements to the electric drive system in ring spinning frames. Tekstilna prom 13 no. 2:22-23 '64.

1. DPTK "Tundzha".

ACCESSION NR: AR4014428 S/0124/64/000/001/V078/V079

SOURCE: RZh. Mekhanika, Abs. 1V605

AUTHOR: Kordonskiy, Kh. B.; Korsakov, B. Ye.

TITLE: Calculation of the lifetime under fatigue utilizing the methods of the theory of probability

CITED SOURCE: Tr. Rizhsk. in-ta inzh. grazhd. vozd. flota, vy*p. 5, 1961, 38 str.

TOPIC TAGS: fatigue, fatigue lifetime, fatigue probability

TRANSLATION: The authors note that the calculations of the lifetime under fatigue must be based on the distribution law of the lifetimes satisfying the following requirements: 1) the experimental distributions must agree well with the theoretical ones; 2) the stochastic model should not diverge from the observed phenomena: the damping of the changes within the material after a certain number of completed cycles, the effect of aging, and the increase in D(ln N) during the decrease in σ_{max}. These requirements are satisfied by the hypothesis about the logarithmically normal distribution of lifetimes. In certain load cases when σ_{max} is small, the distribution deviates from the logarithmically normal one. It appears that such

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ACCESSION NR: AR4014428

a deviation can be explained by changes in the physical nature of the fatigue-induced breakdown.

The qualitative agreement of the theoretical curves and those actually observed raises hopes that it is possible to develop fully accurate methods for the calculation of lifetimes for the case of random loads. The authors point out that the mathematical solution of such a problem leads to the study of qualitatively new problems of random straying. (From the authors' summary.)

DATE ACQ: 18Feb64 SUB CODE: AP ENCL: 00

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ACCESSION NR: AP4033051 S/0147/64/000/001/0145/0152

AUTHOR: Kordonskiy, Kh. B.; Korsakov, B. Ye.; Paramonov, Yu. M.

TITLE: Applications of the logarithmically-normal distribution to fatigue life calculations and tests

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 1, 1964, 145-152

TOPIC TAGS: fatigue, fatigue life, fatigue strength, fatigue accumulation, wear accumulation, hardening, hysteresis loop, stress, stress load, failure, failure detection, fatigue fault

ABSTRACT: Pointing out that it has been demonstrated that the logarithmically-normal distribution of fatigue life can be successfully used for the elaboration of experimental data, the authors note that the application of this law of distribution to the investigation of fatigue life is as yet unclear. Fatigue accumulation may be considered, in the opinion of the authors, as a particular instance of wear accumulation at the occurrence of hardening, manifested in the gradual reduction of the rate of wear. The existence of hardening is directly confirmed in the form of the change in the hysteresis loop in the transition from cycle to cycle. Moreover, there is an indirect proof in the presence of the

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ACCESSION NR: AP4033051

phenomenon of training, consisting in the reciprocal effect of stress levels on sum longevity. At low stresses, hardening occurs more slowly than under large loads, but more rapidly than the accumulation of fatigue faults. The effect of a small number of large loads is explained by the authors in terms of the high rate of hardening which corresponds to these stresses, and the point is made that with the application of a small number of large loads, the probability of the development of a serious fatigue fault is small, while at the same time there occurs intensive hardening. This, in turn, makes it possible to increase longevity within a wide range of loads. Discussing a continuous system of fatigue fault accumulation, the authors note that the most general phenomenological description of fatigue accumulation may be represented in the form of an integral:

$$d(t)=\int_0^t \xi(x)\,dx \qquad (1)$$

with the assumption that the rate of fatigue accumulation ξ (t) is a random process which depends on the active cyclic load and that failure occurs when the value d(t) of the fatigue fault attains a certain level M. Lifetime distribution is determined entirely by the form of the process ξ (t). The mathematical expectancy of the fatigue fault accumulation rate is shown to be:

$$\mathrm{E}(\xi(t))=\frac{a}{t+\lambda}, \qquad (2)$$

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ACCESSION NR: AP4033051

This description, while admittedly extremely schematic, does provide a possibility of solving the very important problem of forcing (accelerating) fatigue lifetime tests. In the following sections of their discussion, the authors employ a discrete scheme of fatigue fault accumulation as the most convenient means from the point of view of computations, noting that it is possible, on the basis of the supposition of vigorous mixing present in the d(t) process, to replace the continuous process of fault accumulation with a discrete system for the same process. This means that at random moments of time, fatigue faults, identical in amplitude and character, arise, which are then gradually accumulated as the result of simple adding. Considering, in a further section, the condition of failure and the training effect, the authors derive a formula, on the basis of which it is possible to calculate the training effect and which provides an analytical relationship between the number of preliminary stress cycles and the number of cycles of the lifetime remnant at a specific control stress level. This is of great practical value, since fatigue tests are very time-consuming, particularly at low stress levels. The results outlined in the paper can be used to develop a method for carrying out accelerated (forced) fatigue tests designed for mean lifetime estimation. This method is described in the final section of the article. Orig. art. has: 3 figures and 19 formulas.

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ACCESSION.NR: AP4033051

ASSOCIATION: none

SUBMITTED: 30Aug63 DATE ACQ: 11May64 ENCL: 00

SUB CODE: AS NO REF SOV: 008 OTHER: 001

Card 4/4

KORSAKOV, F.P.

Stratigraphy of the Neogene of the Angren Valley. Nauch. trudy TashGU no.249. Geol. nauki no.21:192-198 '64. (MIRA 18:5)

KORSAKOV, F.P., aspirant kafedry petrografii i litologii

Petrological composition of conglomerates of Cenozoic molasse in the Tashkent region and on the left bank of the Kashka Darya. Sbor.nauch.trud.asp.SAGU no.1:67-70 '52. (MLRA 9:5)
(Kashka Darya Valley--Conglomerate) (Tashkent'--Conglomerate)

KORSAKOV, G.F.

Real roots of polynomials. Trudy UzGU no.78:205-208 '58.
(MIRA 13:6)
(Polynomials)

KORSAKOV, G. F.

Roots of recurrent polynomials. Trudy UzGU no.78:209-213 '58. (MIRA 13:6)
(Polynomials)

KORSAKOV, G. K.

KORSAKOV, G. K. -- "Biotechnical Measures in Muskrat Economies of the Forest-Steppe of Western Siberia." Min Higher Education USSR, Moscow Fur-Pelt Inst, Moscow, 1954 *(Dissertation for the Degree of Candidate in Sciences)

SO: Knizhnaya letopis', No. 37, 3 September 1955

*For the Degree of Candidate in Biological Sciences

KORSAKOV, G.K.; SHIRENSKIY, A.A.; DENISOV, V.D., redaktor; FEDOSOVA, N.I., [illegible]; GOLUBKOVA, L.A., tekhnicheskiy redaktor

[Using waters rich in vegetation for muskrat breeding] Zarastaiushchie vodoemy i ikh ispol'zovanie dlia ondatrovodstva. Pod red. V.D.Denisova. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1956. 135 p. (Muskrats)

KORSAKOV, I. B.

20149 KORSAKOV, I. B. O lechebnom znachenii punktsii v praktike oto-lapingo logicheskikh i stomatologicheskikh zabolevaniy. Sbornik trudov vracheb.-san. sluzhby kazansk. kh. d., vyp. 2, 1948, c. 64-71

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949

IBRAGIMOV, B.Kh., dotsent; BEREGOVAYA, S.M.; KORSAKOV, I.V., professor, zaveduyushchiy.

Treatment of vasomotor rhinitis with intravenous injection of novocaine and atropine. Vest.oto-rin. 15 no.3:85-86 My-Je '53. (MLRA 6:8)

1. Klinika bolezney ukha, gorla i nosa Turkmenskogo meditsinskogo instituta. 2. Poliklinicheskoye otdeleniye Ashkhabadskoy gorodskoy klinicheskoy bol'nitsy no.1 (for Ibragimov and Beregovaya).
(Cold (Disease)) (Atropine) (Novocaine)

KORSAKOV, I.V., prof. (Ashkhabad)

Biogenic placental stimulators in the treatment of ear diseases.
Zhur. ush., nos. i gorl. bol. 22 no.1:44-46 Ja-F '62. (MIRA 15:5)
(EAR—DISEASES) (PLACENTA) (TISSUE EXTRACTS)

Korsakov, I.V.

ZINOV'YEVA, R.V.; IVANOVA, Z.G.; KORSAKOV, I.V.; SERGEYEV, A.P.

Vacuum cooling of neutralized products. Gidrolis. i lesokhim. prom.8 no.5:19-21 '55. (MLRA 9:1)

1.Kanskiy gidrolizuyy zavod.
(Wood--Chemistry)

GOROKHOV, G.I.; KORSAKOV, I.V.

Mastering the technology of the production of food glucose from wood. Gidroliz.i lesokhim.prom. 13 no.5:26-30 '60. (MIRA 13:7)

1. Kanskiy gidrolizmyy zavod.
(Kansk--Glucose) (Hydrolysis)

KORSAKOV, I. V. (Kansk-Hydrolytic Plant)

"Apparatus for the product separation in a glucose works"

Report presented at the Conference on the Theory and Technology of Crystalline Glucose Production, Leningrad, March 1961 (Reported in Gidrol i lisokhim, 4, 1961)

KORSAKOV, I.V., prof. (Ashkhabad)

Role of acetylcholine in the passive anaphylaxis phenomenon in mucous nasal polyps. Zhur.ush., nos.i gor.bol.22 No.6:48-50 N-D'62. (MIRA 16:7)

(NOSE—TUMORS) (CHOLINE) (ANAPHYLAXIS)

KORSAKOV, Ivan Yefimovich; FREYDMAN, S.M., red.; SMIRNOVA, Ye., tekhn.red.

[Economic calculations on a collective farm] Ekonomicheskie raschety v kolkhoze. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 73 p. (MIRA 12:9)
(Collective farms--Accounting)

KORSAKOV, I.Ye., agronom.

Some results of strengthening the feed supply. Zhivotnovodstvo 20 no.3:37-38 Mr '58. (MIRA 11:2)

1. Kolkhoz "Znamya Oktyabrya," Vladimirskoy oblasti.
(Feeding and feeding stuffs)

KORSAKOV, I.Ye., agronom.

More on the food supply of the "Znamia oktiabria" Collective Farm. Zhivotnovodstvo 20 no.6:44 Je '58. (MIRA 11:6)

1. Kolkhoz "Znamya Oktyabrya" Vladimirskogo rayona, Vladimirskoy oblasti.
(Ensilage)

KORSAKOV, I.Ye., agronom

Obtaining high yields of perennial grasses. Zemledelie 7 no.3: 80-81 Mr '59. (MIRA 12:4)

1. Kolkhoz "Znamya Oktyabrya."
(Grasses) (Legumes)

ZAGORSKIY, F.N.; KORSAKOV, M.I., spetsial'nyy redaktor; VESELKINA, A., redaktor; KUZ'MIN, D., tekhnicheskiy redaktor

[The safety element with reference to metal-cutting machines] Voprosy bezopasnosti metallorezhushchikh stankov. Leningrad, Izd-vo VTsSPS Profizdat, 1953. 78 p. (MLRA 7:8)
(Machine tools--Safety measures)

KORSAKOV, M.I.; BOLOTNOV, P.I., inzhener, retsenzent; MOKSIN, S.I., inzhener, retsenzent; SIMONS, D.Ya., inzhener, redaktor; POPOLOV, Ya.N., redaktor izdatel'stva; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Safety engineering for machine-tractor mechanics] Tekhnika bezopasnosti v mashinno-traktornykh masterskikh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 189 p. (MLRA 9:11)
(Machine-tractor stations--Safety measures)

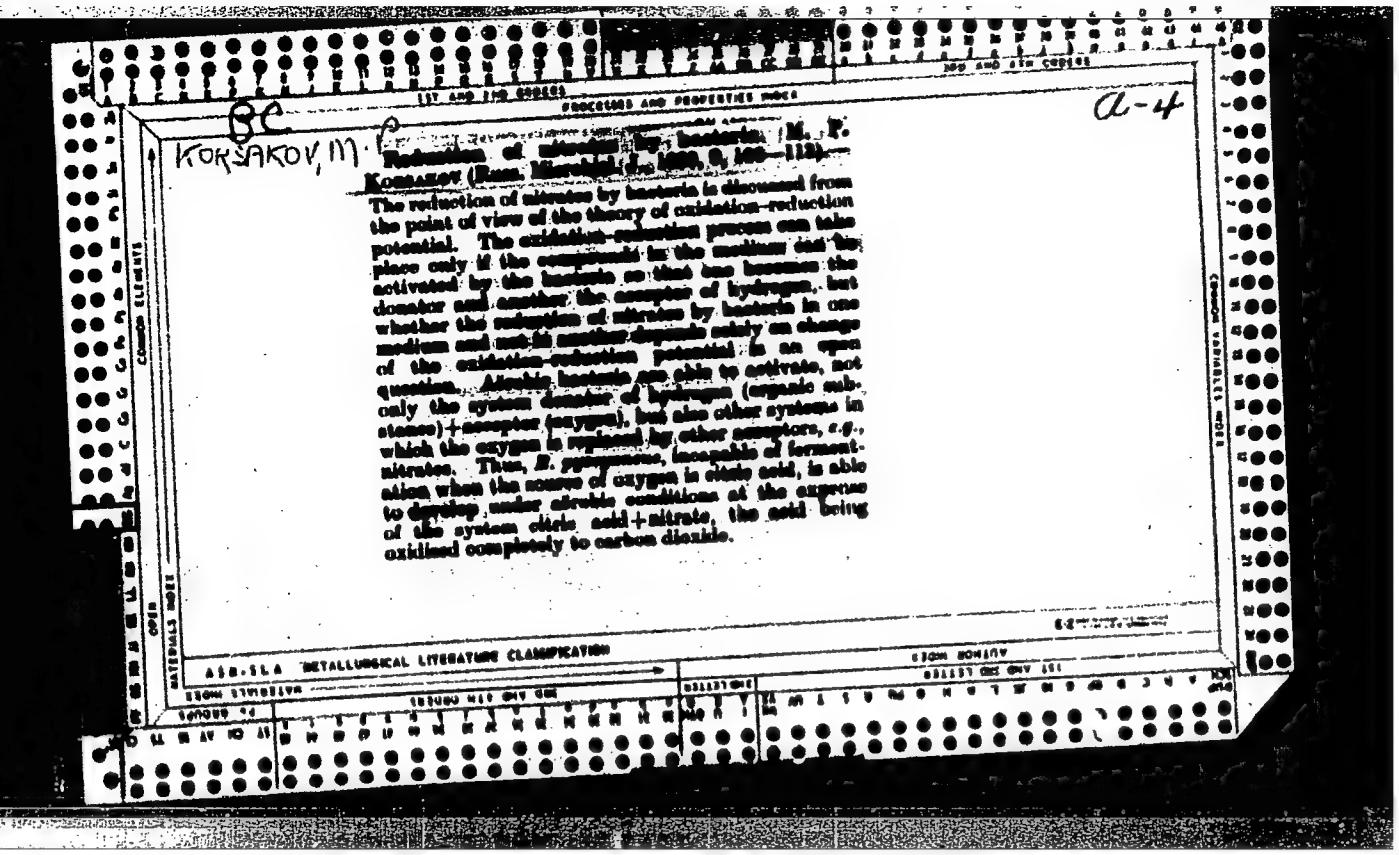
KORSAKOV, Mikhail Ivanovich; MENSHCHIKOV, I.I., kand. tekhn. nauk, retsenzent; SIMONS, D.Ya., inzh., red.; SALYANSKIY, A.A., red. izd-va; SMIRNOVA, G.V., tekhn. red.

[Safety regulations for repair and assembly work in the machinery industry]Tekhnika bezopasnosti pri remontnykh i montazhnykh rabotakh v mashinostroenii. Moskva, Mashgiz, 1962. 196 p. (MIRA 15:9)
(Machinery industry—Safety regulations)

KORSAKOV, Mikhail Ivanovich; SERGEYEV, Aleksey Ivanovich; SMELYANSKIY, V.A., red.; KREYS, I.G., tekhn. red.

[Safety measures in manual training for eight-year schools; aid for manual training teachers] Tekhnika bezopasnosti pri trudovom obuchenii v vos'miletnei shkole; posobie dlia uchitelei truda. Moskva, Uchpedgiz, 1962. 105 p. (MIRA 16:5)

(Safety education) (Manual training)



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KORSAKOV, M. P.

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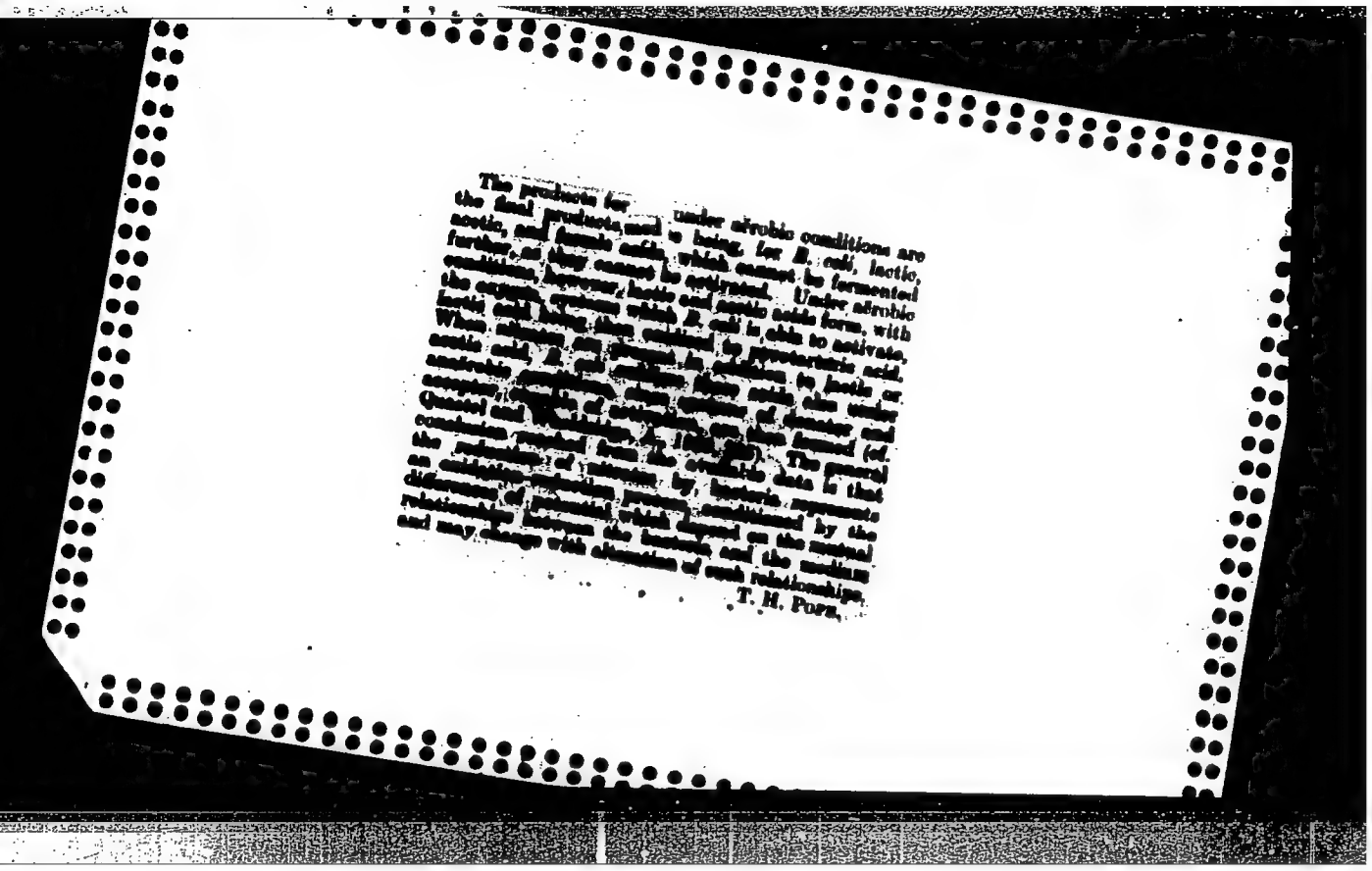
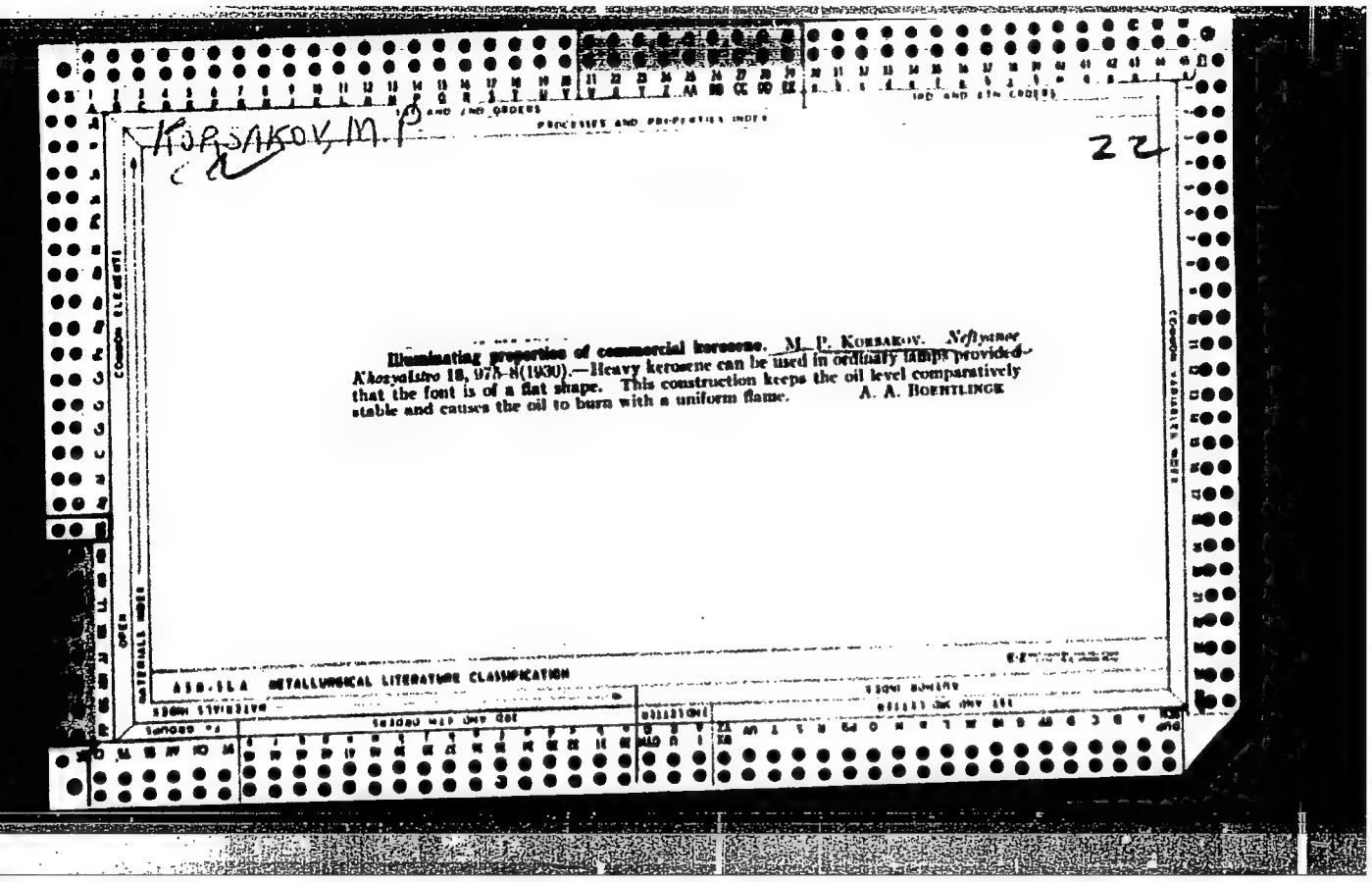
Reduction of nitrates by bacteria. M. P. Korsakov (Russ. Microbiol. J., 1929, 8, 103—113).—

The reduction of nitrates by bacteria is discussed from the point of view of the theory of oxidation-reduction potential. The oxidation-reduction process can take place only if the compounds in the medium can be activated by the bacteria so that one becomes the donator and another the acceptor of hydrogen. Just whether the reduction of nitrates by bacteria in one medium and not in another depends solely on change of the oxidation-reduction potential is an open question. Aërobic bacteria are able to activate, not only the system donator of hydrogen (organic substance)+acceptor (oxygen), but also other systems in which the oxygen is replaced by other acceptors, *e.g.*, nitrates. Thus, *B. pyogenes*, incapable of fermentation when the source of oxygen is citric acid, is able to develop under aërobic conditions at the expense of the system citric acid+nitrate, the acid being oxidised completely to carbon dioxide.



T. H. Pope,



KORSAKOV, M. P.

22

Illuminating properties of commercial kerosene. M. P. KORSAKOV. *Neftyanoe Khozyaistvo* 18, 973–8(1930).—Heavy kerosene can be used in ordinary lamps provided that the font is of a flat shape. This construction keeps the oil level comparatively stable and causes the oil to burn with a uniform flame. A. A. BOENTLINGK

ASB-ELA METALLURGICAL LITERATURE CLASSIFICATION

KORSAKOV, V. I. and ZABRODINA, O. L.

"The Role of Dissociation in the Interrelationships Between Phages and Krause-Sonne Bacteria", Zhur Mikrobiol, Epidemiol i Immunobiol, No. 4, pp 102-106, 1950.

KORSAKOV, N.

Portable MPK-1 radio direction finder equipped with a magnetic antenna. Mor. flot 18 no.5:21-22 My '58. (MIRA 11:6)

1.Starshiy konstruktor eksperimental'nykh masterskikh Arkticheskogo nauchno-issledovatel'skogo instituta.
(Radio direction finders)

KORSAKOV, N., inzh. (Leningrad)

Direction-finding of a magnetic antenna. Radio no.8:45 Ag '62.
(Radio—Antennas)

KORSAKOV, N. I., Cand Agr Sci -- (diss) "Evaluation of the resistance of European varieties of kidney beans to bacterial and virus diseases." Leningrad, 1960. 19 pp; (All-Union Order of Lenin Academy of Agricultural Sciences im V. I. Lenin, All-Union Scientific Research Inst of Horticulture); price not given; (KL, 19-60, 136)

ACCESSION NR: AP4017573 S/0065/64/000/003/0027/0031

AUTHOR: Bernadyuk, Z. A.; Belov, P. S.; Yegorov, N. M.; Korsakov, N. M.; Libinshteyn, I. Ye.; Luppov, L. V.; Sarkisyants, R. A.

TITLE: Industrial production of alkylphenol additives utilizing the KU-2 cation exchange resin

SOURCE: Khimiya i tekhnol. topliv i masel, no. 3, 1964, 27-31

TOPIC TAGS: alkylphenol, oil additive, cationate, benzene sulfonic acid, alkylphenol additive, oil, petroleum, lubricant, engine oil, motor oil

ABSTRACT: The purpose of this work is to find a better substitute for benzene sulfonic acid as a catalyst for the alkylation of phenol. This work was done at the Moskovskiy institut neftekhimicheskogo (Moscow Institute of Petro-chemical and Gas Industry) under the direction of Prof. V. I. Isagulyants. Phenol was alkylated by olefins in the presence of KU-2 cation exchange resin which is a sulfonated copolymer of styrene and divinylbenzene having a functional SO_3H group. This is a heterogeneous catalyst which, unlike benzene sulfonic acid (BSA), does not require washing of the product, there being no phenol contamination of wash water; the

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ACC NR: AP6025631 (N) SOURCE CODE: UR/0413/66/000/013/0083/0084

INVENTOR: Telyayev, N. I.; Pulenets, M. L.; Kryukov, A. N.; Korsakov, N. S.; Skachkov, Yu. P.; Felisov, B. V.; Gritsay, N. I.

ORG: None

TITLE: A hydrological unit for operations under ice. Class 42, No. 183412 [announced by the Arctic and Antarctic Scientific Research Institute (Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 83-84

TOPIC TAGS: sea ice, hydrologic instrument, marine equipment

ABSTRACT: This Author's Certificate introduces: 1. A hydrologic unit for operations under ice. The installation contains hydroacoustic transmitting equipment mounted on a ship and a submarine unit consisting of hydroacoustic receiving equipment placed within an instrument buoy connected to an anchor cable which holds the automatic recording equipment at the level being studied. To improve reliability in using this floating equipment under icy conditions, the hydroacoustic transmitting apparatus is equipped with a modulator and a coding unit connected in the pulse generator circuit, while the receiving equipment has two code frequency filters and a logical coincidence circuit connected to the actuating mechanism which releases the buoy. 2. A

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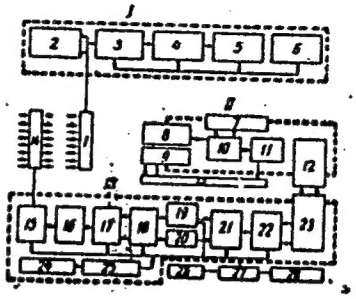
modification of this unit in which a calendar clock mechanism is used for switching on the power supply according to a given program. 3. A modification of this unit in which location of the buoy after surfacing is facilitated by providing a radio transmitter with an antenna which is automatically raised, and a smoke marker.



1—emitter; 2—mechanism for lowering the emitter; 3—pulse generator; 4—modulator; 5—coding unit; 6—power supply; 7—hydrostatic switch; 8—visual signal; 9—mechanism for raising the antenna; 10—power supply; 11—radio transmitter; 12—reel with cable; 13—antenna shaft; 14—hydrophone; 15—carrier frequency amplifier; 16—carrier frequency band-pass filter; 17—detector; 18—code frequency amplifier; 19—first code frequency filter; 20—second code frequency filter; 21—coincidence circuit; 22—actuating mechanism; 23—release mechanism; 24—power supply; 25—clock mechanism; 26—anchor; 27—buoy cable; 28—automatic recording instruments; I—surface section; II—signal buoy; III—main buoy

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KORSAKOV, O. N. PA 52T30

USSR/Engineering Nov 1947
Machines, Precision
Mathematics - Calculators

"Works of the Seminar on Precision Mechanics and Calculating Machine Techniques, Conducted by Academician N. G. Bruyevich," O. N. Korsakov, 3 pp

"Izv Akad Nauk SSSR, Otd Tekh Nauk" No 11

Report of seminar conducted in Precision Mechanics Department, Institute of Machine Sciences, Academy of Sciences, USSR. Questions concerned with theory, construction, precision, rationality of application and problems of development of calculating machines are discussed. Various methods of solving mathematical problems given. 52T30

KOV, O. N.

USSR/Mathematics - Calculators Nov/Dec 48
Mathematics - Computation, Approximate

"The Work of a Seminar on 'Precise' Mechanics and Calculating Techniques," O. N. Korsakov, 2 pp

"Uspekhi Matemat Nauk" Vol III, No 6 (28)

Reports were submitted at the seminar encompassing problems connected with the theory, working principles, precision, adaptability, areas of application, and problems of development of various mathematical instruments. Reports on these electrical devices were submitted by N. V. Korol'kov, F. V. Mayorov, and M. L. Bykhovskiy.

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